Figure 1

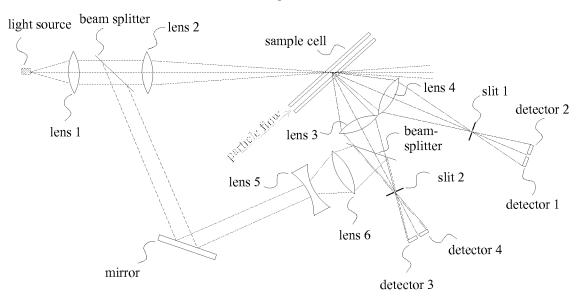


Figure 1A

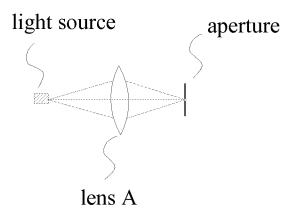


Figure 2

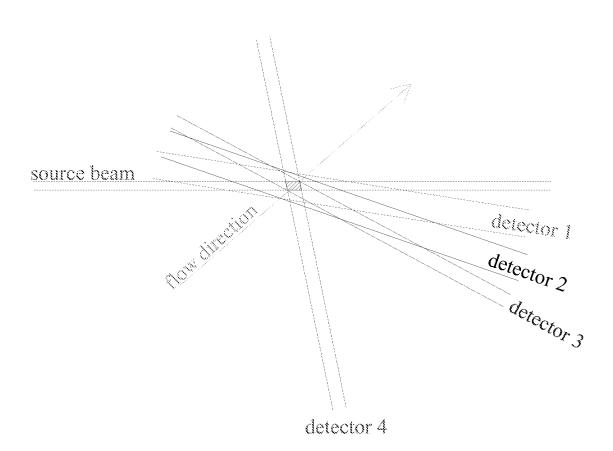


Figure 2b

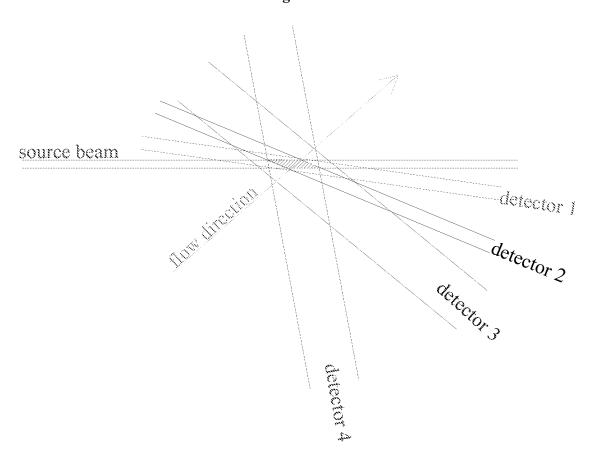


Figure 3

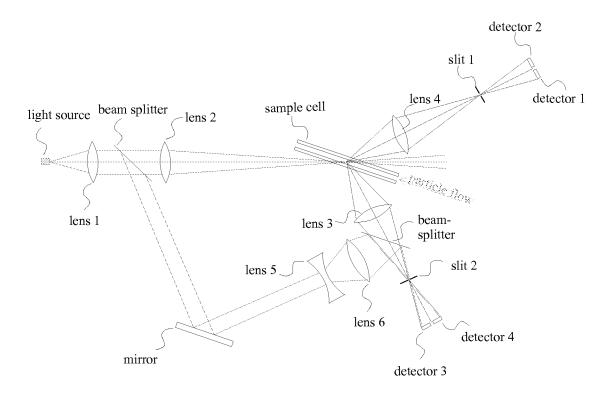


Figure 4 envelope detector

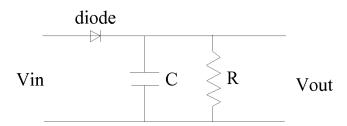


Figure 5

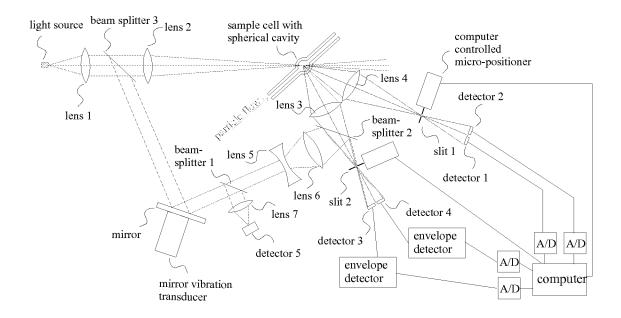


Figure 6

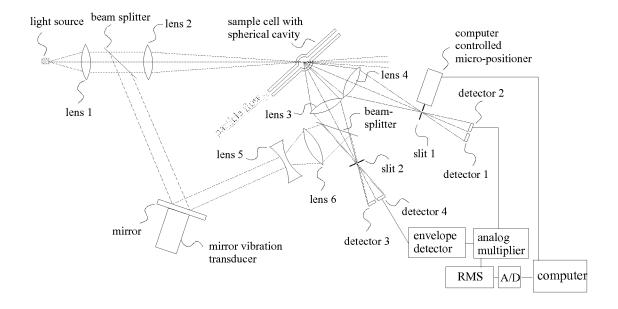


Figure 6b

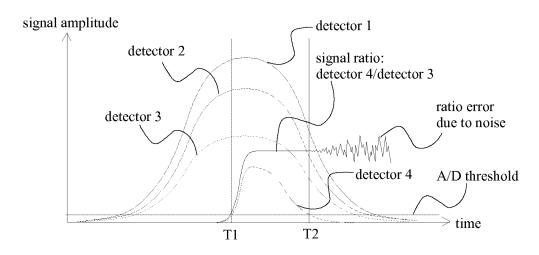


Figure 7

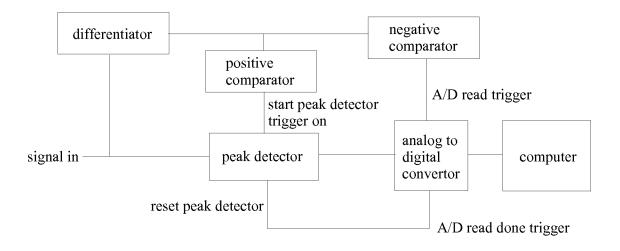


Figure 8

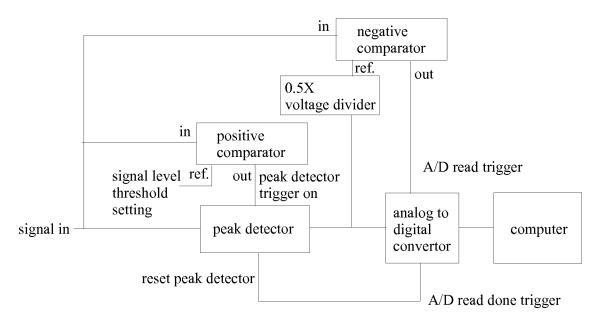


Figure 9

peak detector

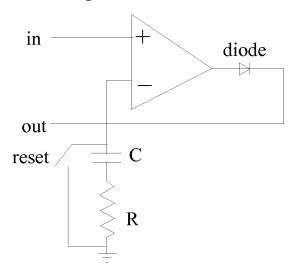
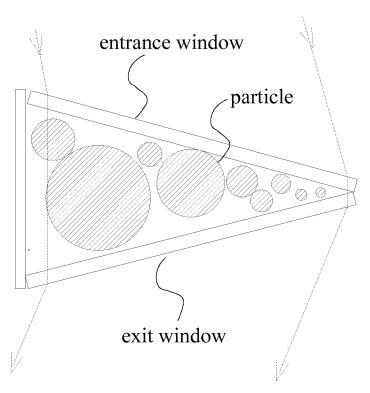


Figure 9b



flow direction into page

Figure 10

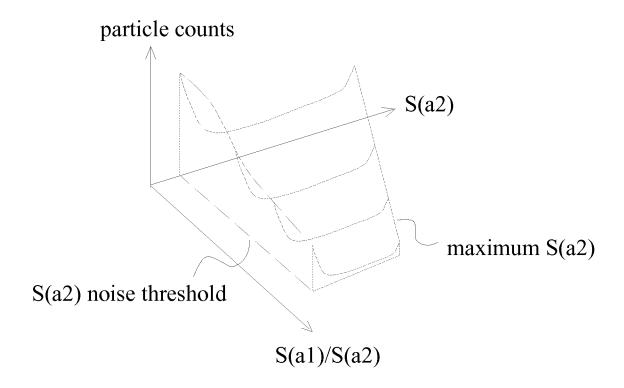


Figure 10b

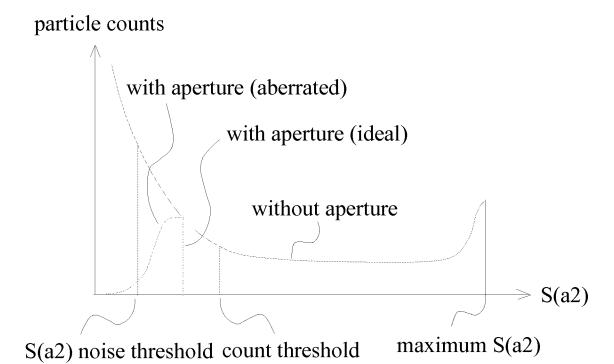
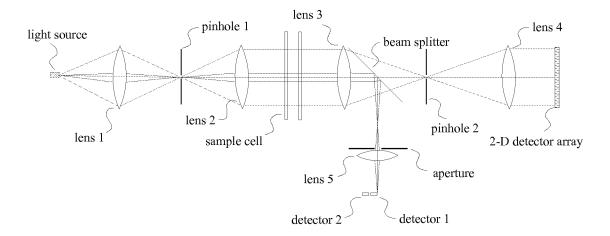
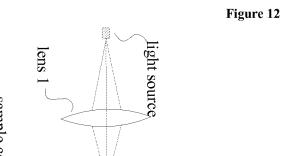


Figure 11





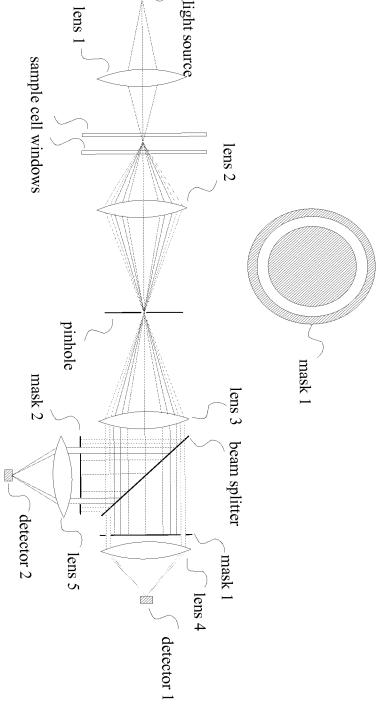


Figure 13

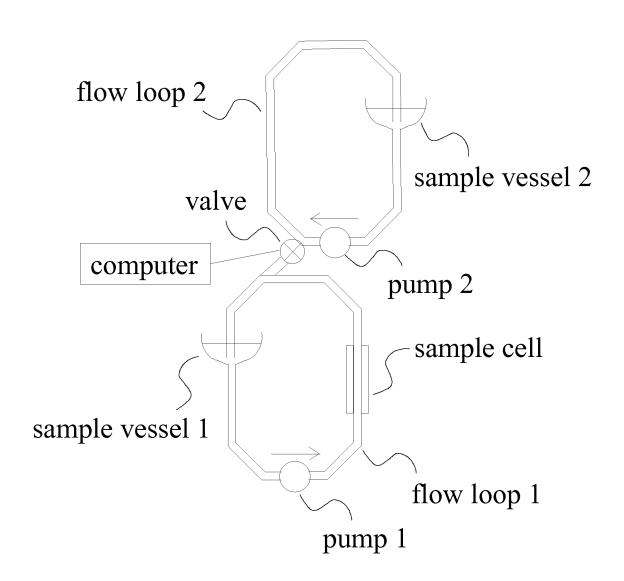
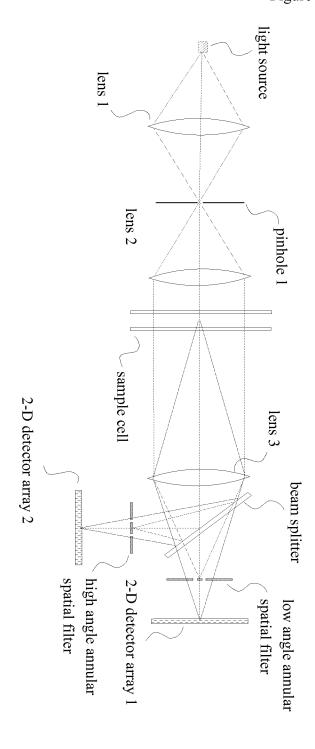


Figure 14



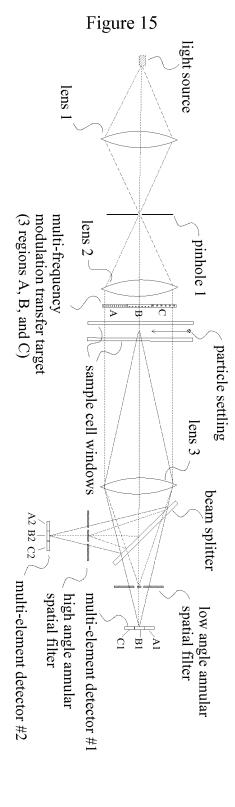


Figure 15b

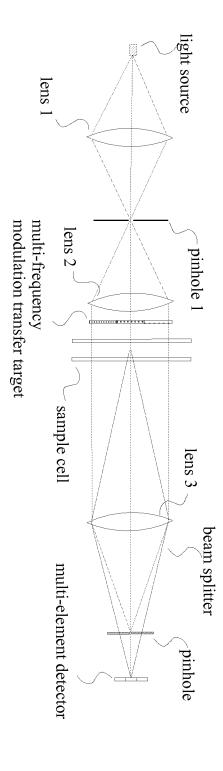
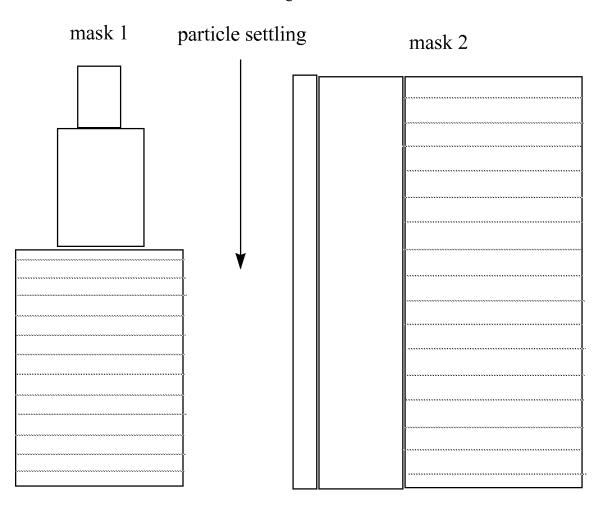
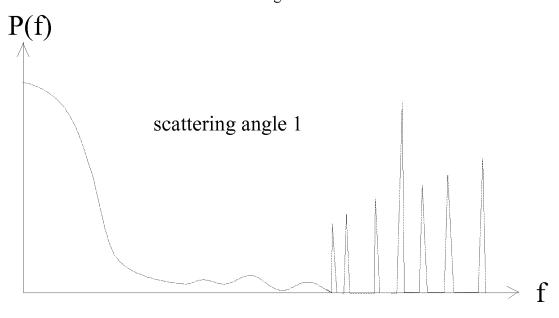


Figure 16







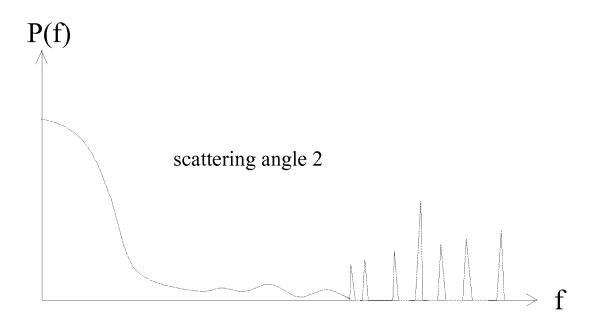


Figure 18

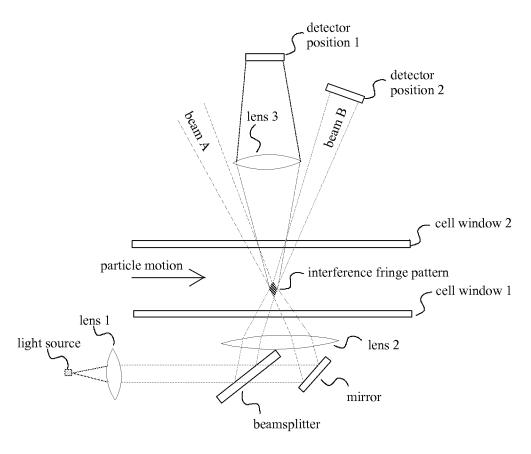
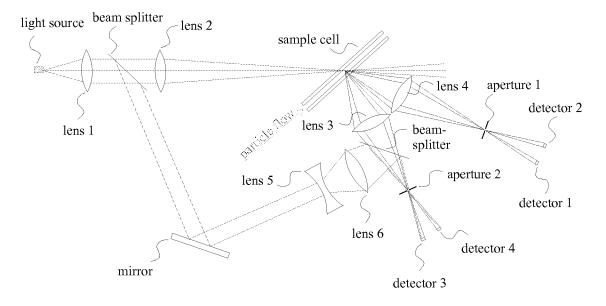


Figure 19



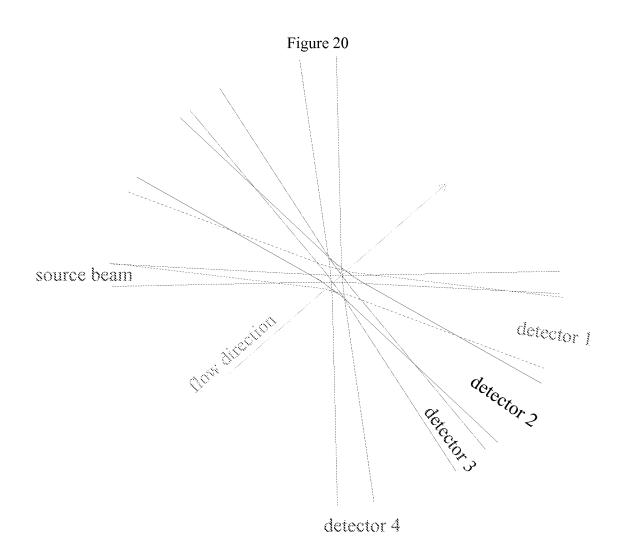


Figure 21

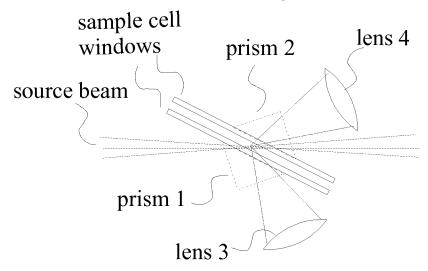
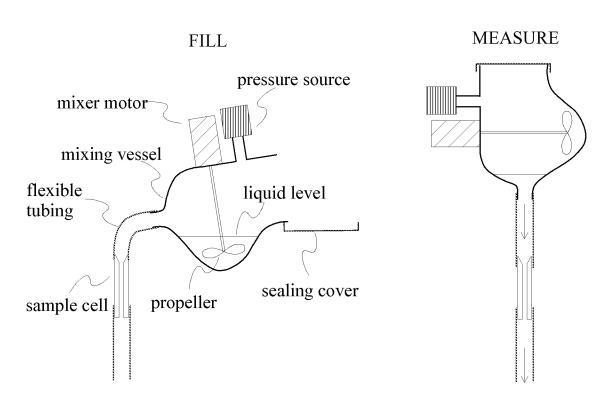


Figure 22



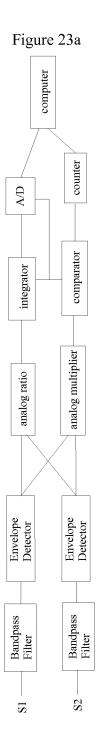


Figure 23B computer counter A/D A/D comparator integrator integrator analog multiplier Envelope Detector Envelope Detector Bandpass Filter Bandpass Filter S2

 $\mathbf{S}_{\mathbf{I}}$

Figure 24

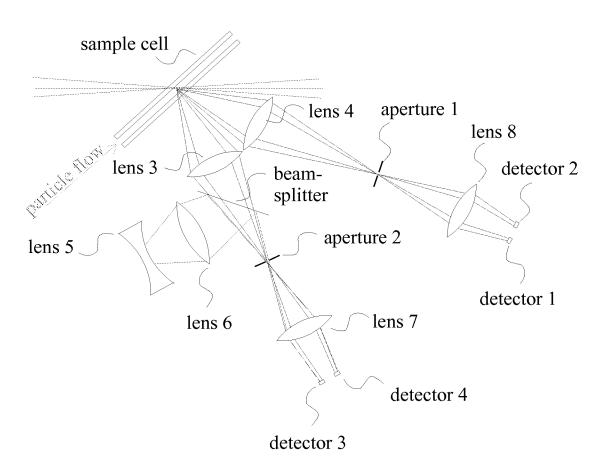
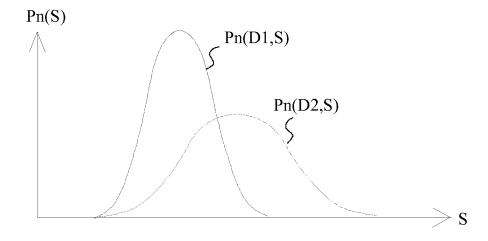


Figure 25



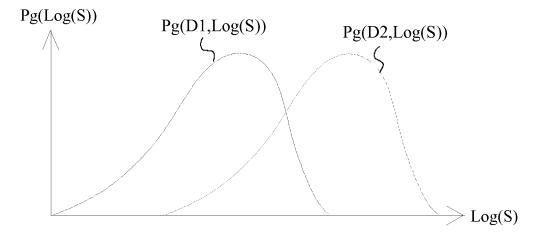
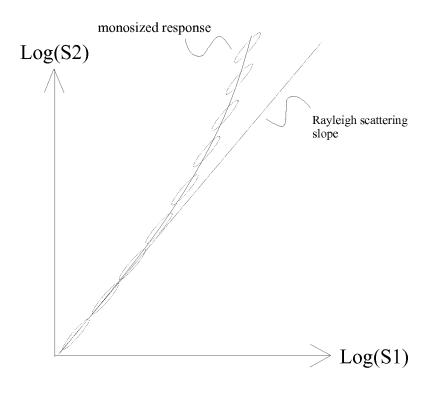


Figure 26



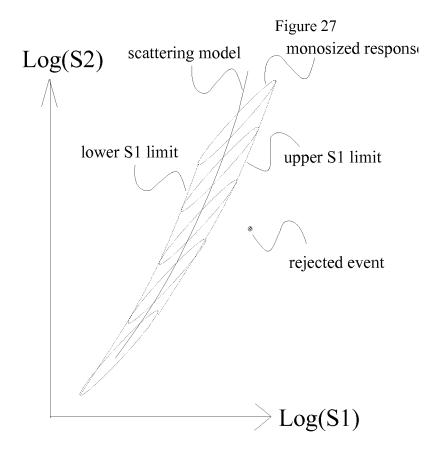


Figure 27B

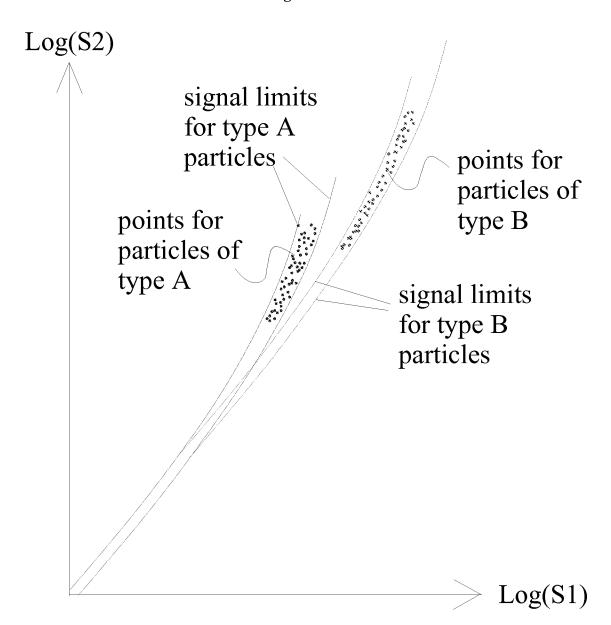


Figure 28

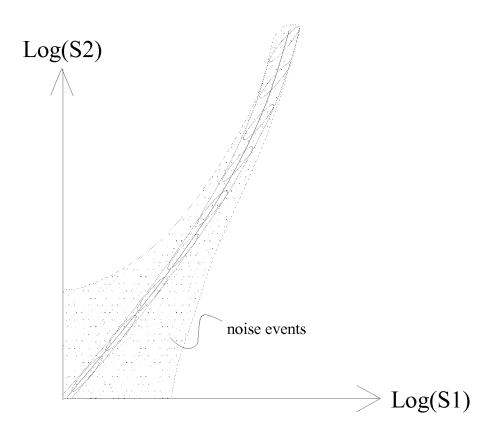


Figure 29

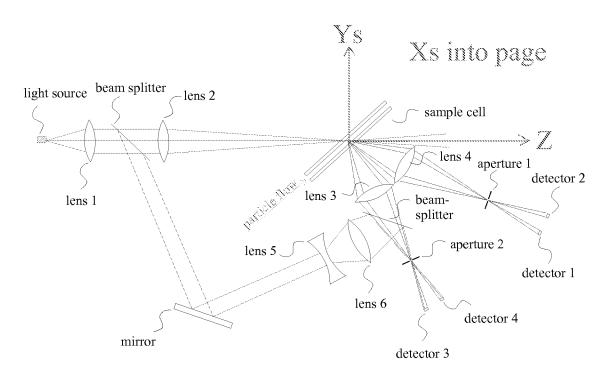


Figure 30

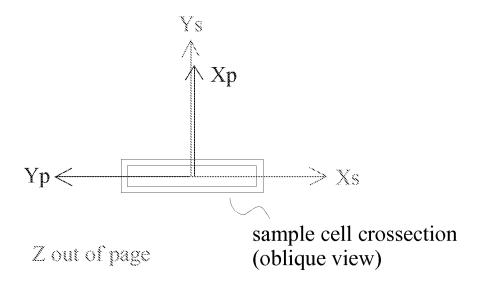


Figure 31

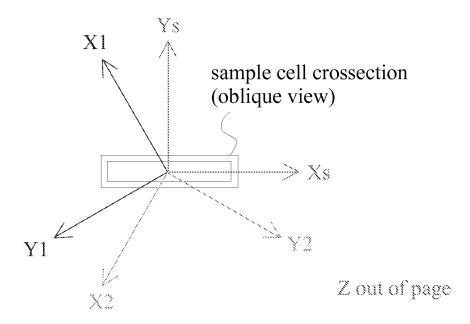


Figure 32

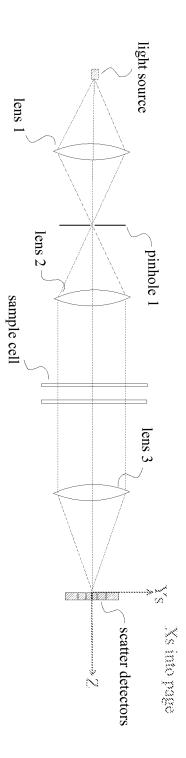


Figure 33

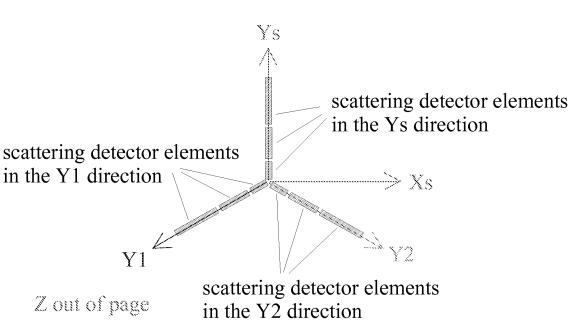


Figure 34

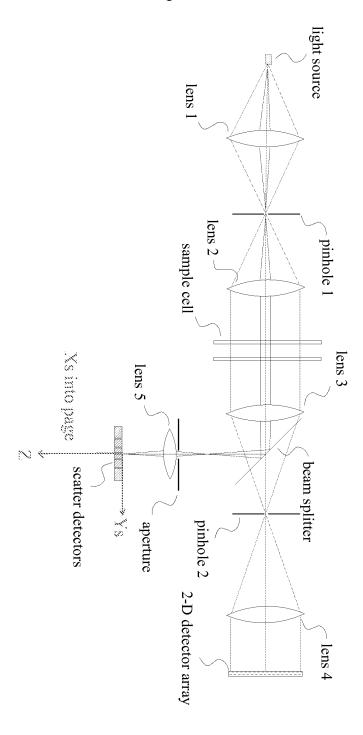


Figure 35

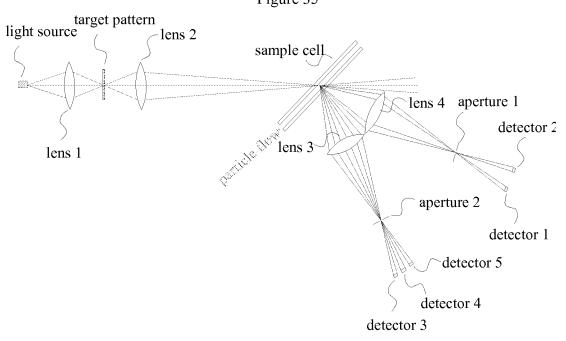


Figure 36

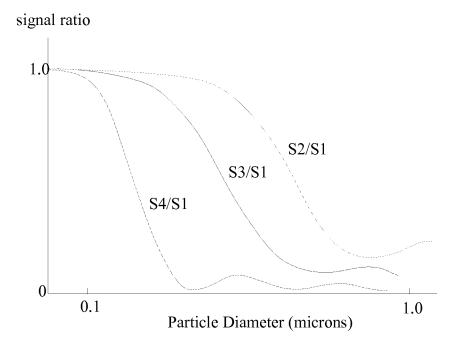


Figure 37

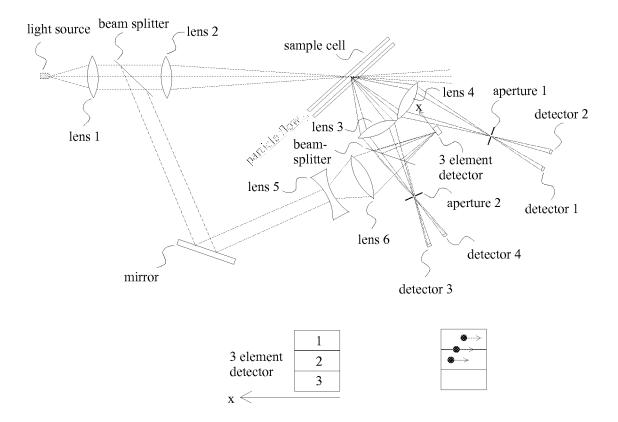


Figure 38

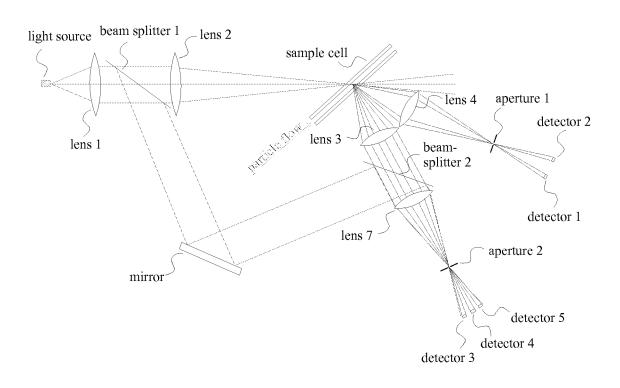


Figure 39

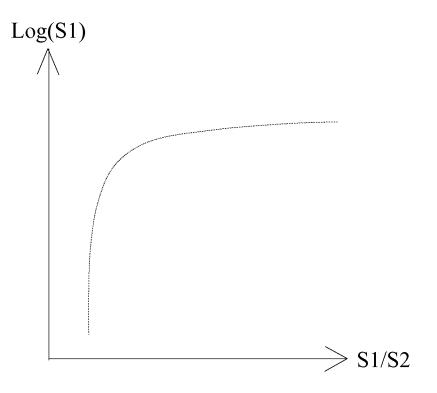


Figure 41

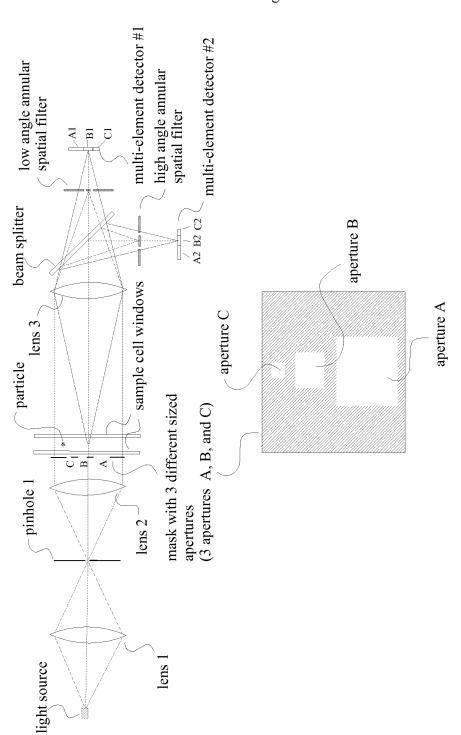


Figure 42

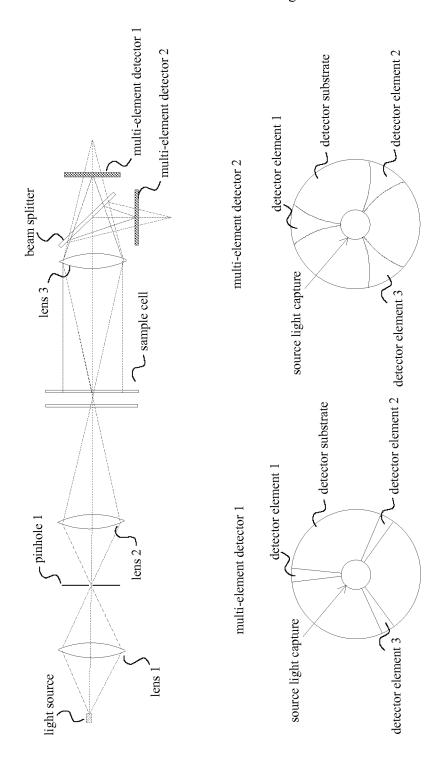
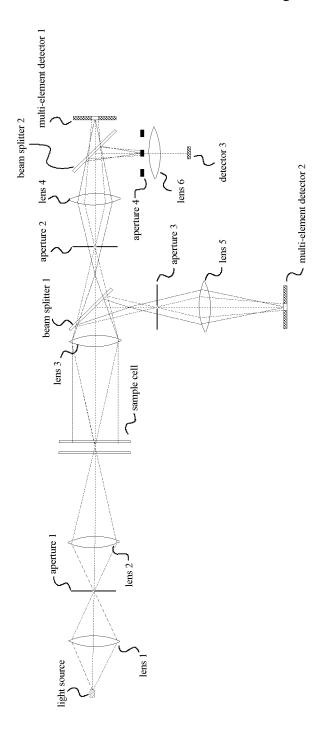


Figure 43





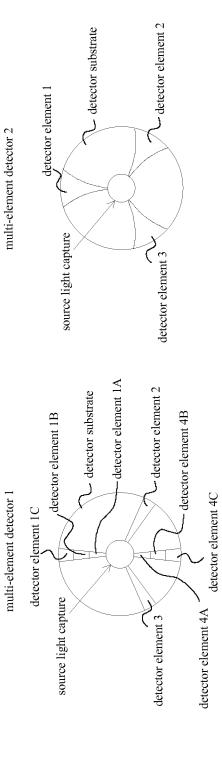


Figure 45

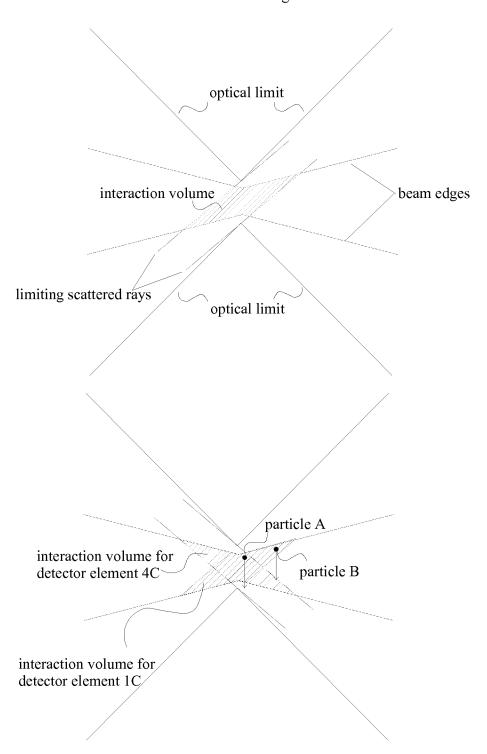
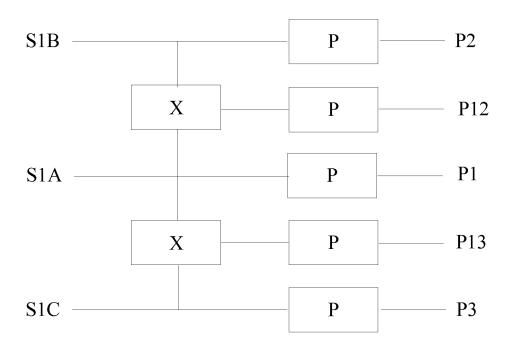


Figure 46



S1C P P1

delay T
measurement P

S4C P P4

Figure 48

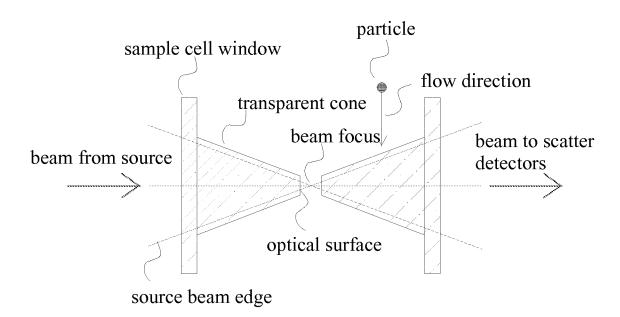


Figure 49

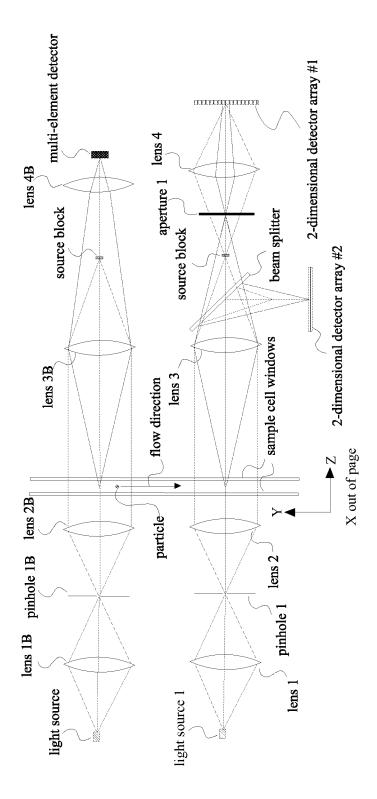


Figure 49B

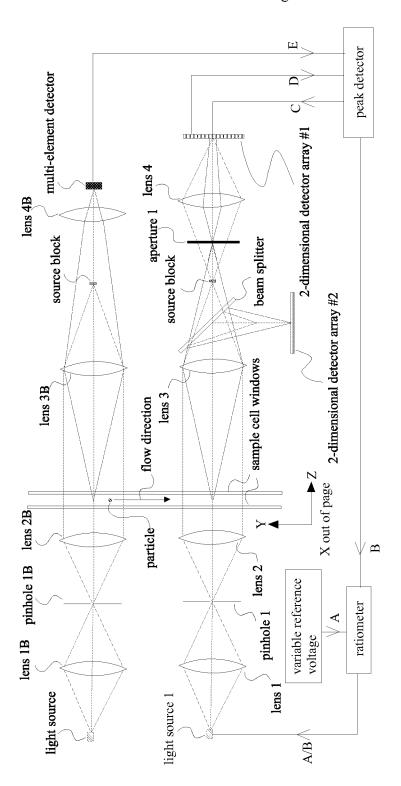
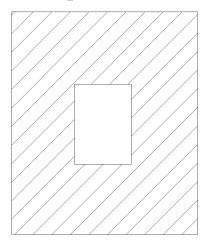


Figure 50

aperture 1



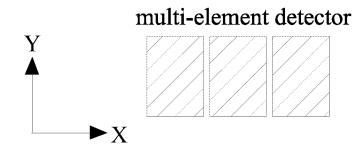


Figure 51

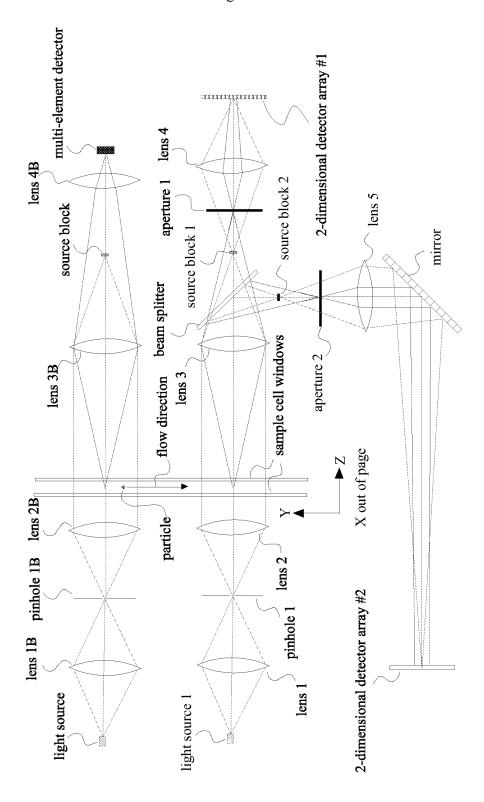


Figure 52

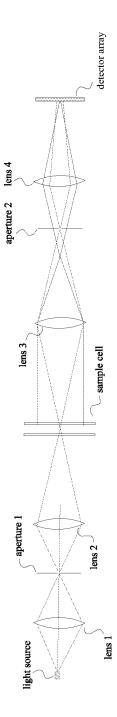


Figure 53

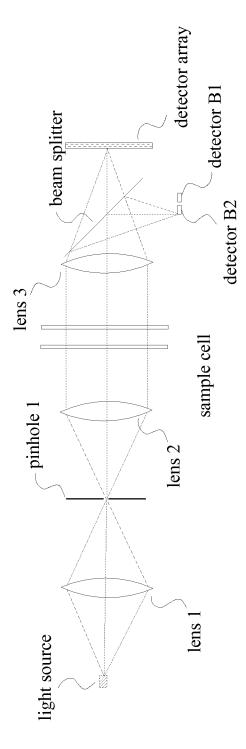


Figure 54

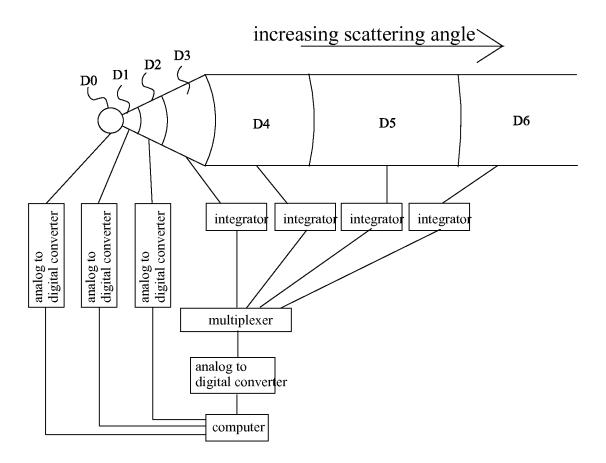


Figure 55

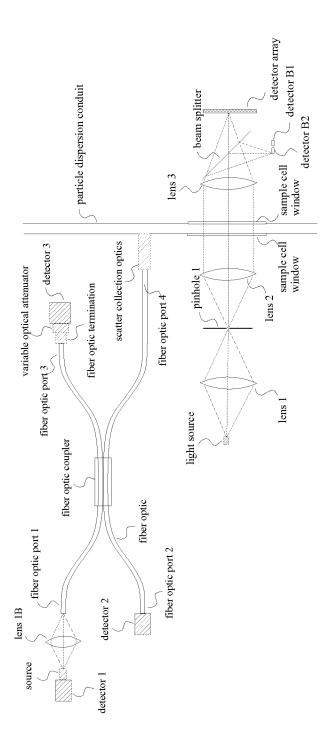


Figure 56

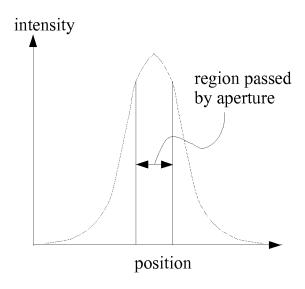


Figure 57

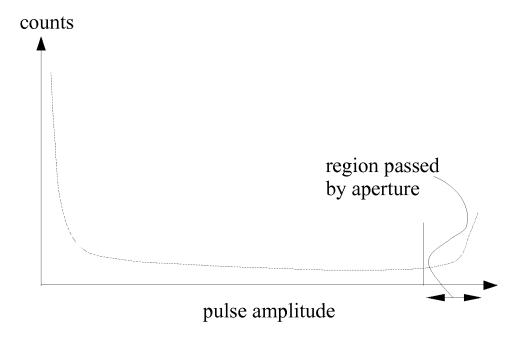


Figure 58A

signal amplitude

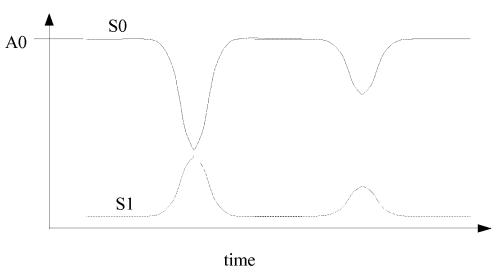
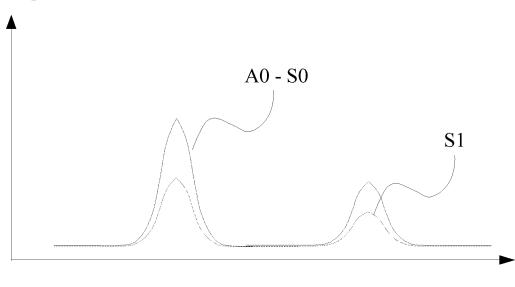


Figure 58B

signal amplitude



time

Figure 59

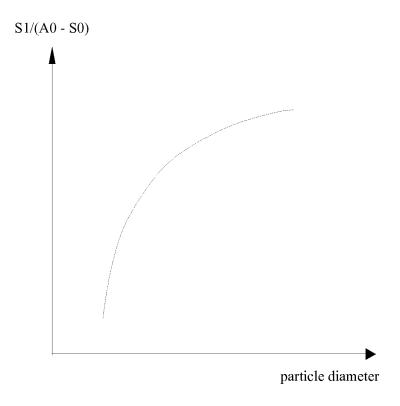


Figure 60

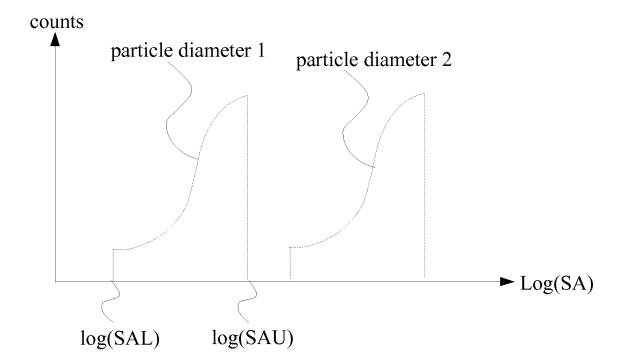


Figure 61

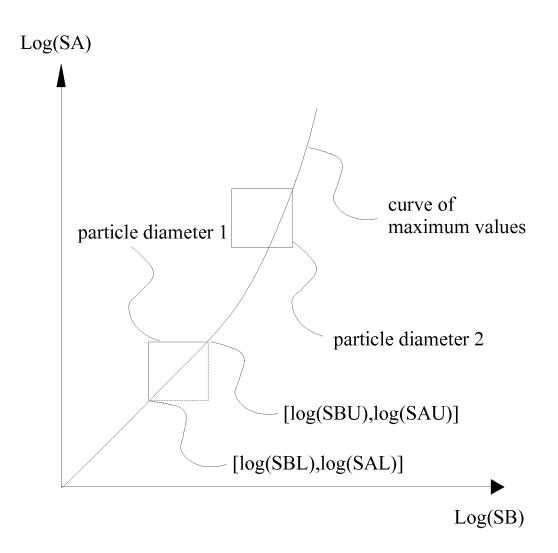


Figure 62

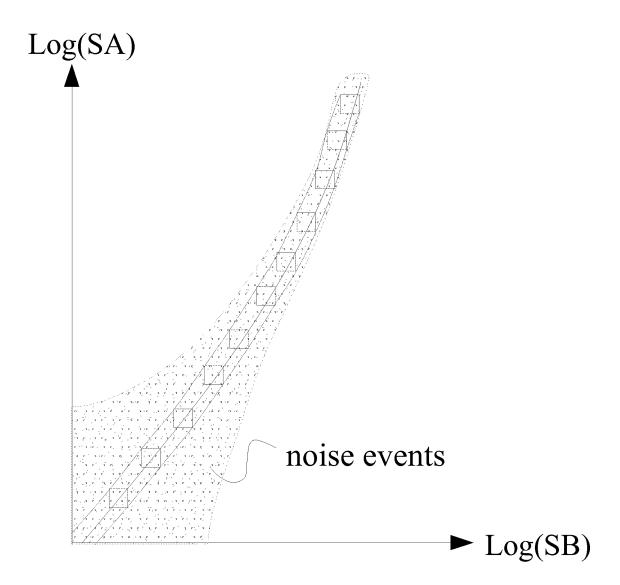


Figure 63

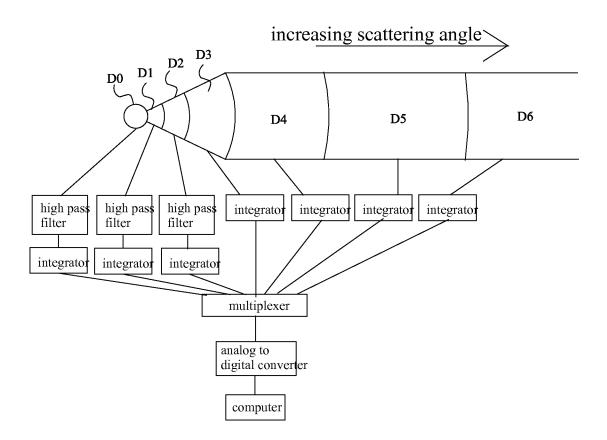


Figure 64

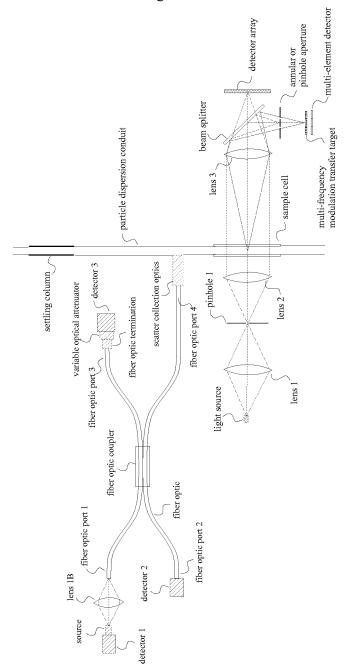


Figure 66

one cycle of	particle velocity direction
the sinusoidal	
absorption mask	
•	
	\bigvee

Figure 67

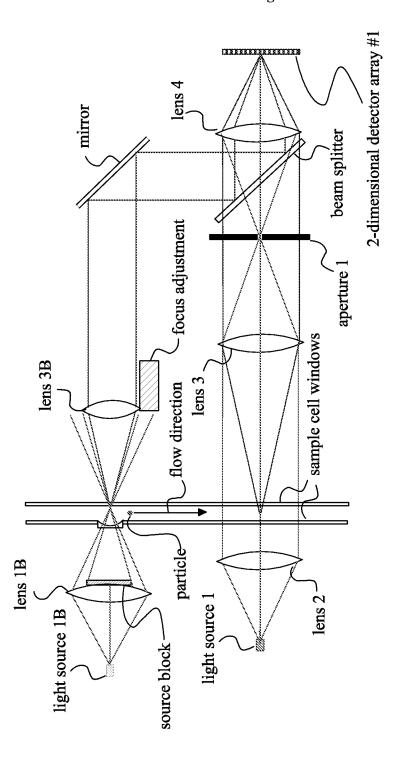


Figure 68

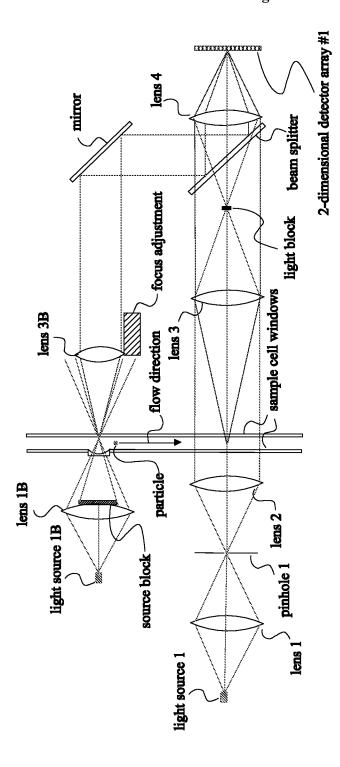


Figure 69

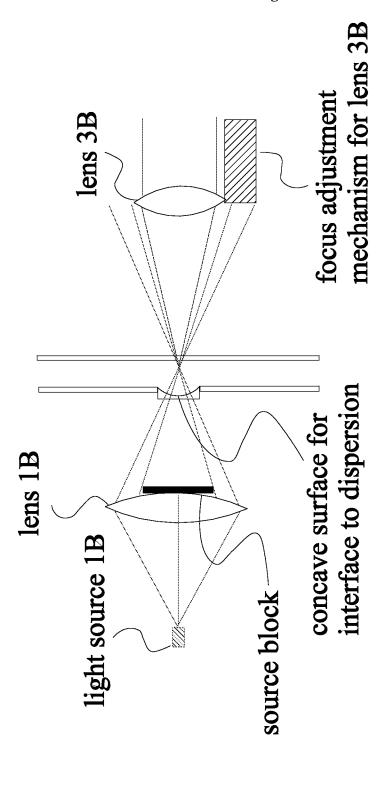


Figure 70

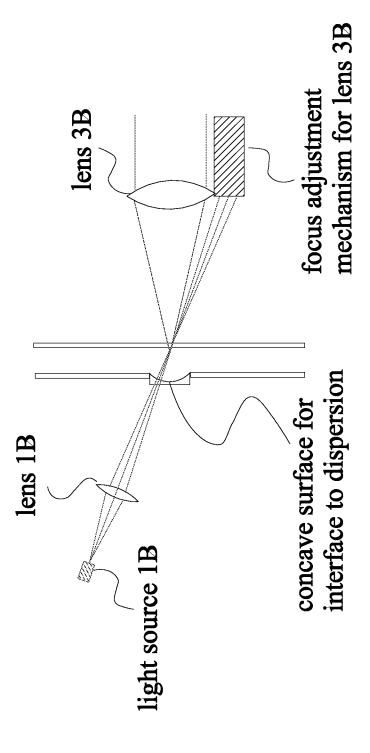


Figure 71

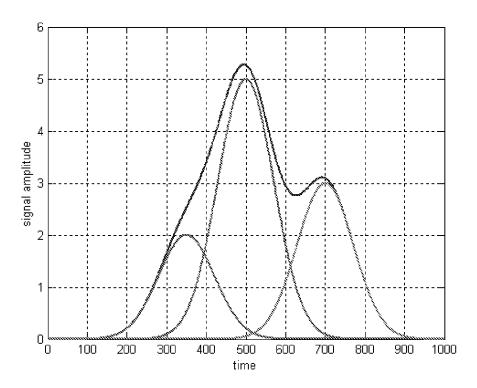


Figure 72

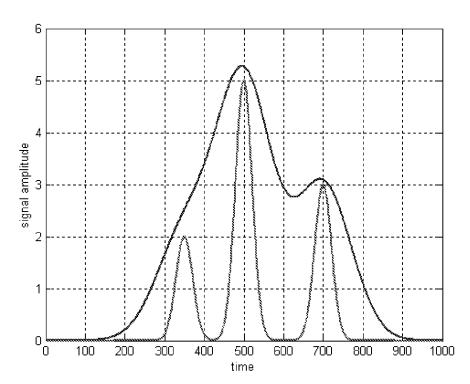


Figure 73

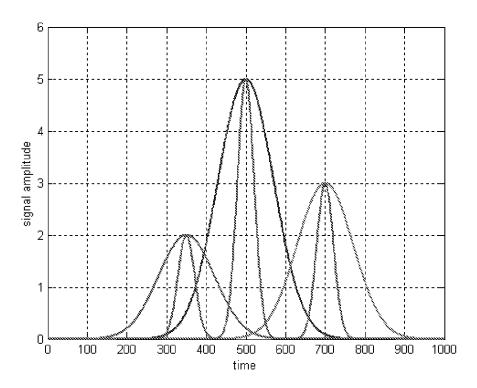


Figure 74

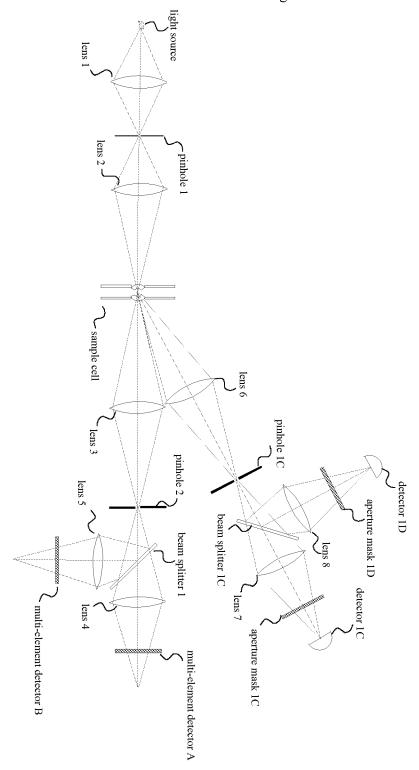


Figure 75

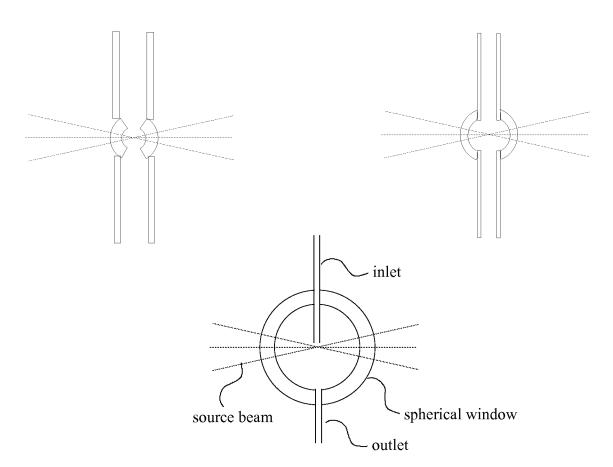


Figure 76

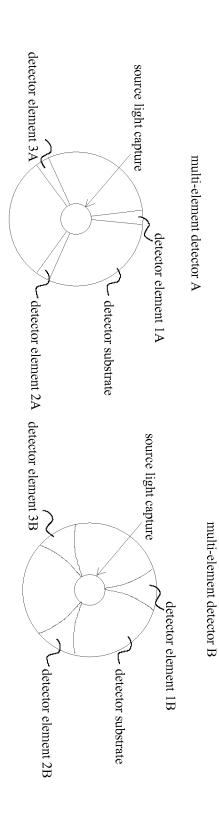
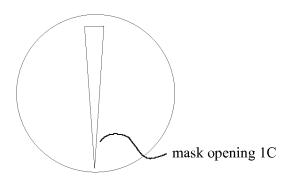


Figure 77



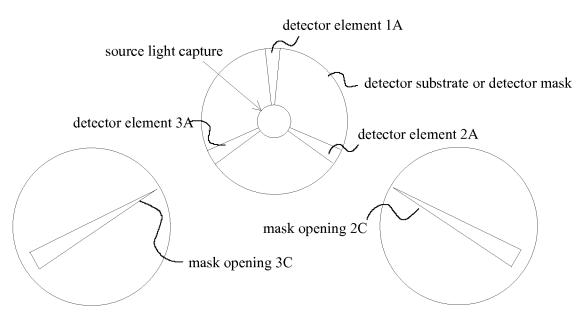


Figure 78

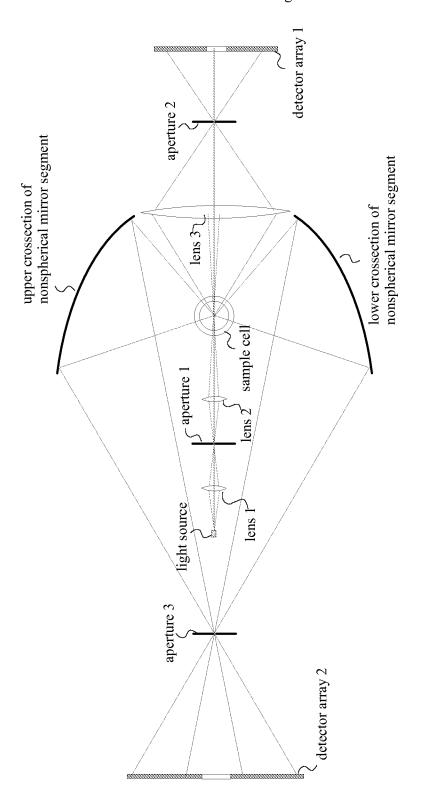


Figure 79

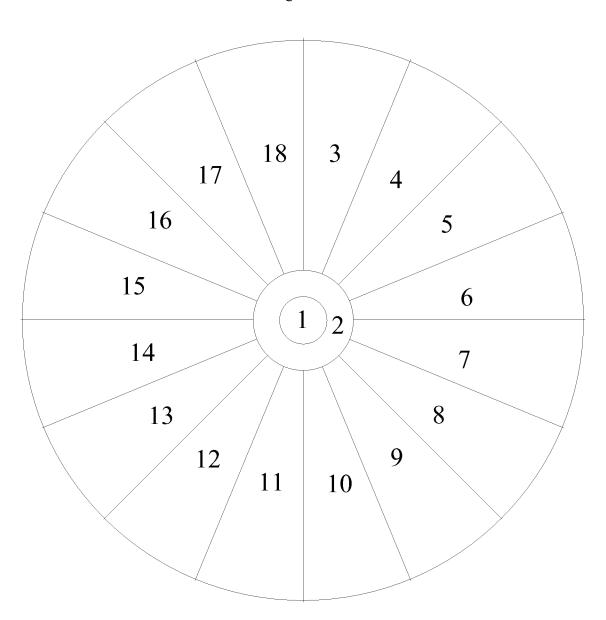


Figure 80

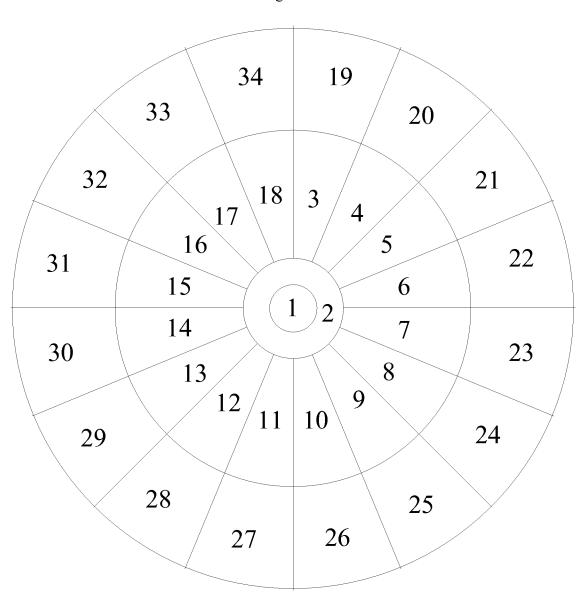


Figure 81

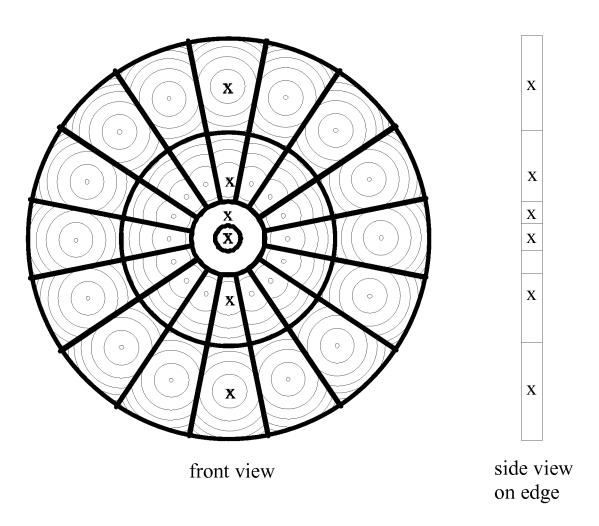
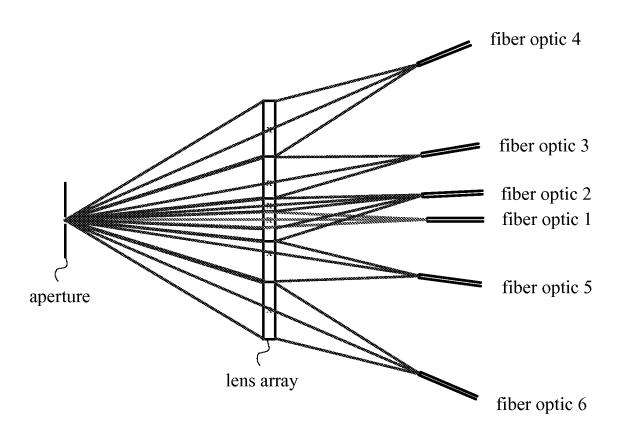


Figure 82



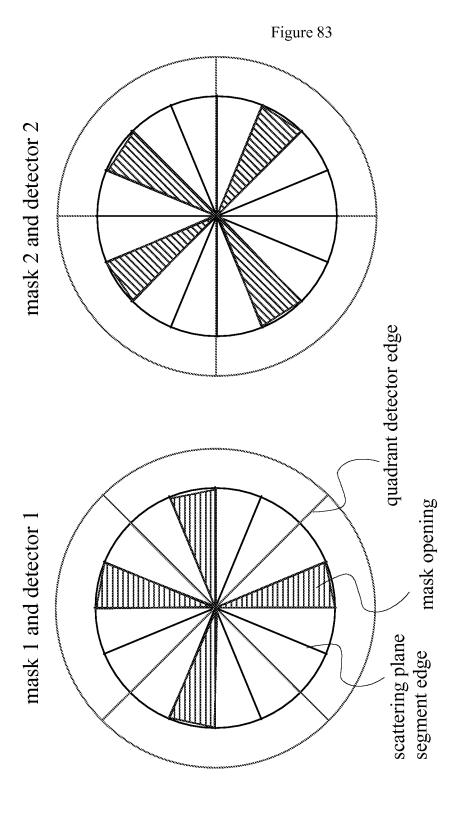


Figure 84

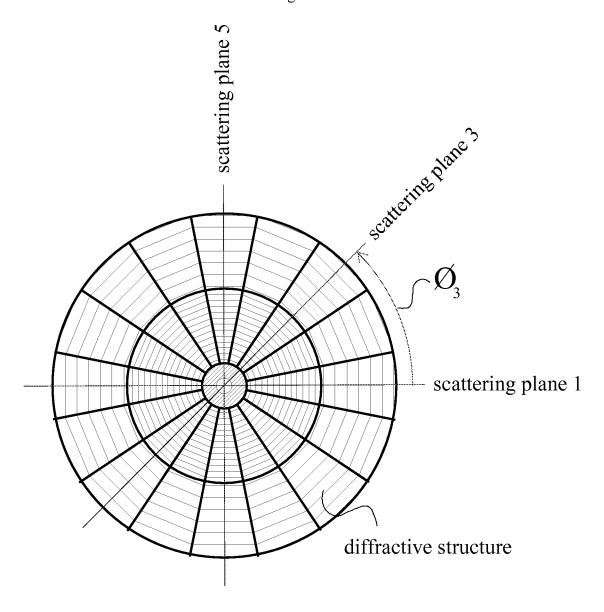
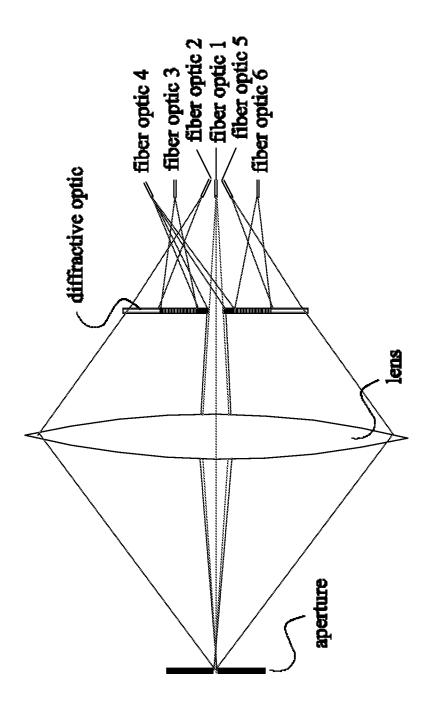


Figure 85



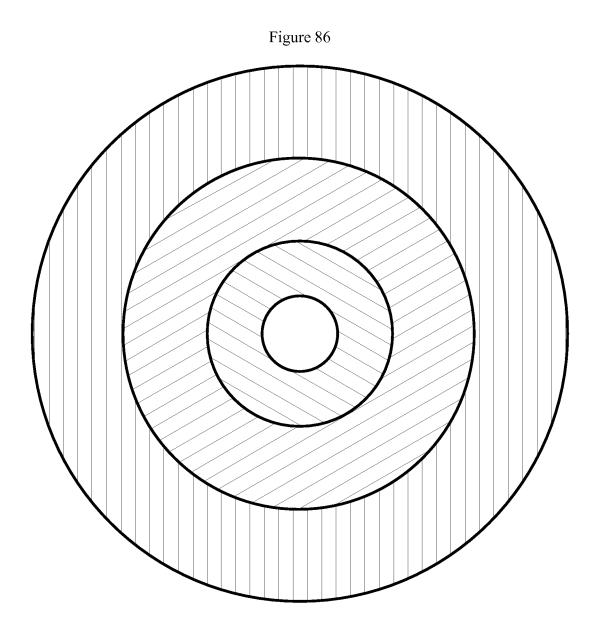


Figure 87

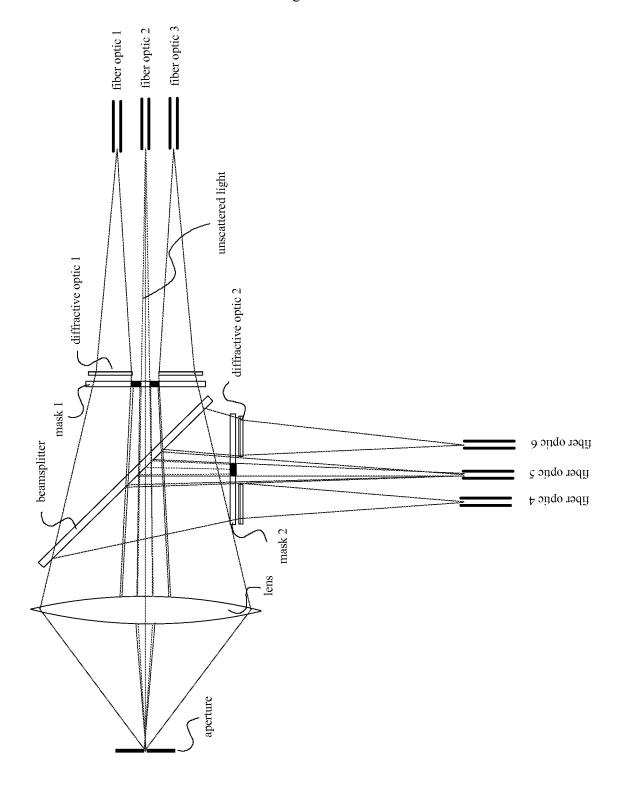
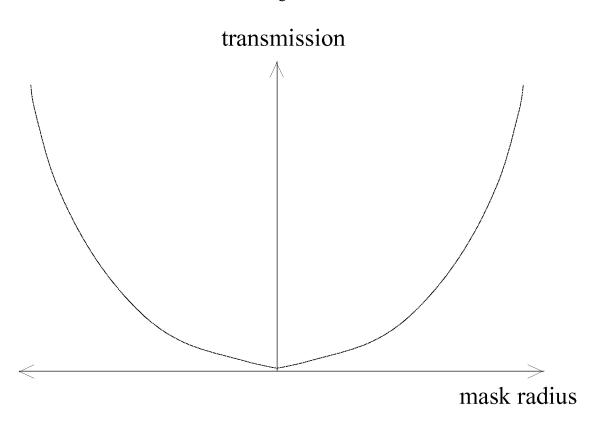


Figure 88





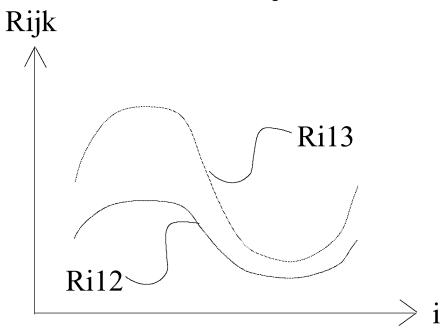
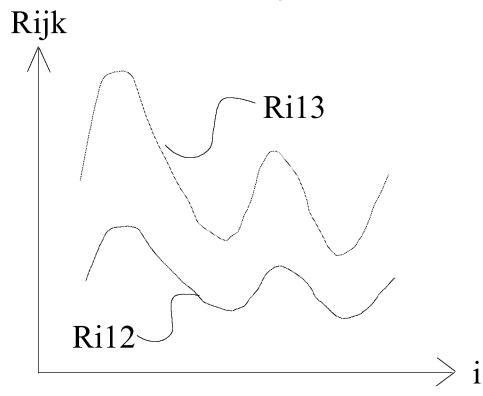
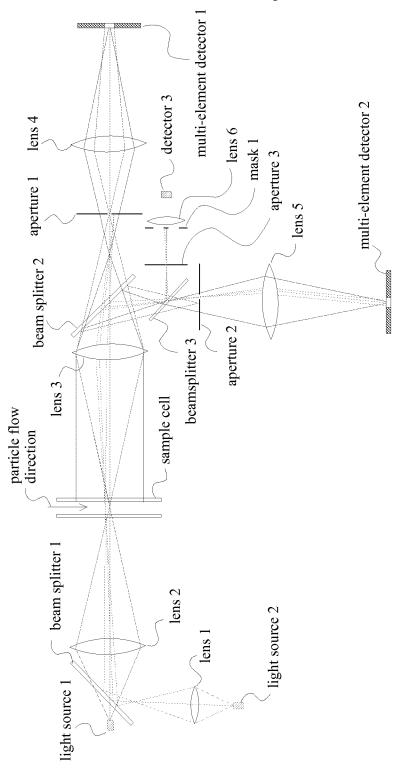
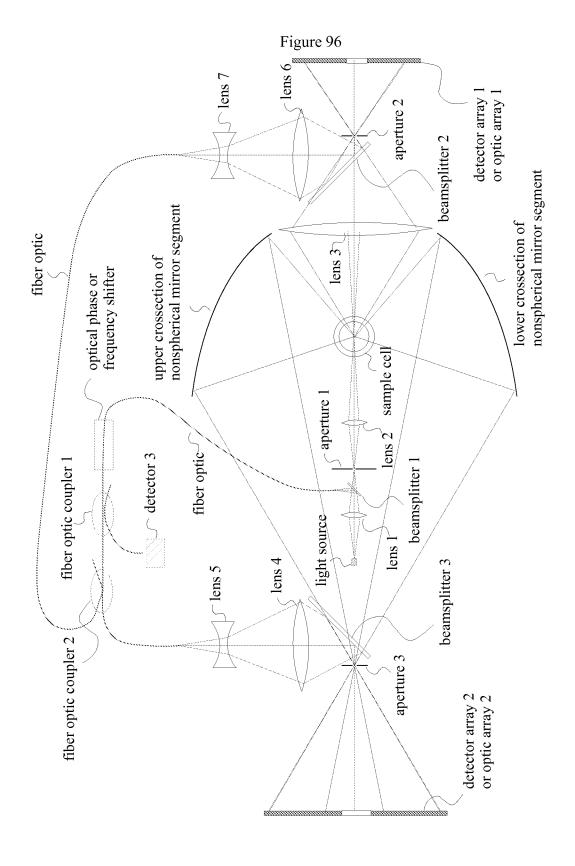


Figure 90









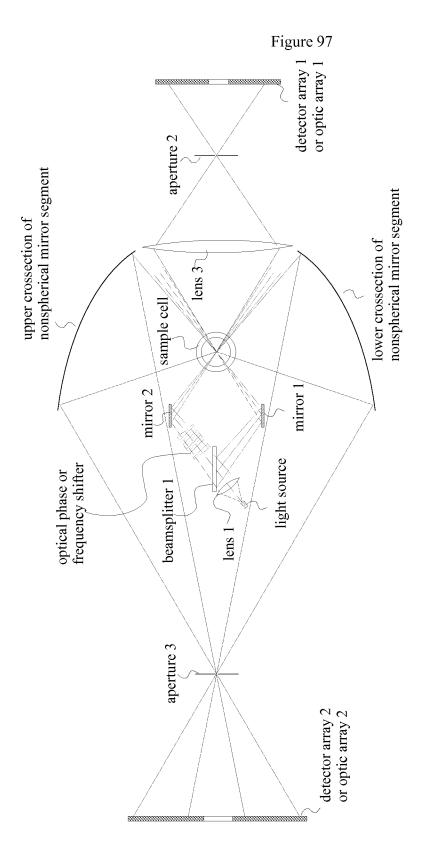


Figure 100

particle dispersion retro-reflector or corner cube

light source

lens 1 pinhole lens 2

lens 3

sample cell with windows

Figure 101

